



Trinity River mainstem redd survey update

10/12/2010

The [Arcata Fish and Wildlife Office](#) along with the [California Department of Fish and Game](#), [Yurok Tribal Fisheries Program](#), [Hoopa Valley Tribal Fisheries Department](#), and [Shasta-Trinity National Forest](#) survey the mainstem Trinity River to recover salmonid carcasses and count and map Chinook salmon (*Oncorhynchus tshawytscha*) redds. The distribution of Chinook salmon redds is expected to change in response to rehabilitation efforts of the [Trinity River Restoration Program](#), and the relative run size of wild vs. [Trinity River Hatchery](#) origin fish. Redd and carcass surveys are conducted weekly on the River between [Lewiston Dam](#) and the North Fork Trinity River (Reaches 1 through 7), and are conducted every other week on the Reaches downstream of the North Fork Trinity River ([link to map](#)).

This mid-season update provides preliminary data on 2010 redd counts encountered and entered into our database as of 10/10/2010 (Table 1). Figure 1 compares preliminary 2010 cumulative redd counts for Reaches 1-10 with the previous 9 years (2002-2010).

Table 1. Preliminary count of redds by logistic reach for the fall 2010 mainstem Trinity River redd survey. Redds constructed by Chinook and coho salmon are not differentiated. Numbers are later adjusted for Chinook salmon using data provided by California Department of Fish and Game. "NS" = not surveyed. Reach 11 not surveyed due to extreme whitewater (Burnt Ranch Gorge). These data are preliminary and subject to revision.

| Calendar week | Week start | Reach | | | | | | | | | | | | | | Total |
|---------------|------------|-------|----|-----|-----|-----|----|----|----|----|----|----|----|----|----|-------|
| | | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | |
| 38 | 09/13/10 | 0 | 0 | 1 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | 13 |
| 39 | 09/20/10 | 38 | 14 | 3 | 18 | 23 | 0 | 1 | | | | | | | | 97 |
| 40 | 09/27/10 | 52 | 33 | 79 | 56 | 44 | 9 | 10 | 0 | 7 | 0 | | | | | 290 |
| 41 | 10/04/10 | 50 | 36 | 38 | 35 | 63 | 42 | 24 | | | | | 0 | 0 | 0 | 288 |
| 42 | 10/11/10 | | | | | | | | | | | | | | | |
| 43 | 10/18/10 | | | | | | | | | | | | | | | |
| 44 | 10/25/10 | | | | | | | | | | | | | | | |
| 45 | 11/01/10 | | | | | | | | | | | | | | | |
| 46 | 11/08/10 | | | | | | | | | | | | | | | |
| 47 | 11/15/10 | | | | | | | | | | | | | | | |
| 48 | 11/22/10 | | | | | | | | | | | | | | | |
| 49 | 11/29/10 | | | | | | | | | | | | | | | |
| 50 | 12/06/10 | | | | | | | | | | | | | | | |
| 51 | 12/13/10 | | | | | | | | | | | | | | | |
| Total | | 140 | 83 | 121 | 120 | 131 | 51 | 35 | 0 | 7 | 0 | | 0 | 0 | 0 | 688 |



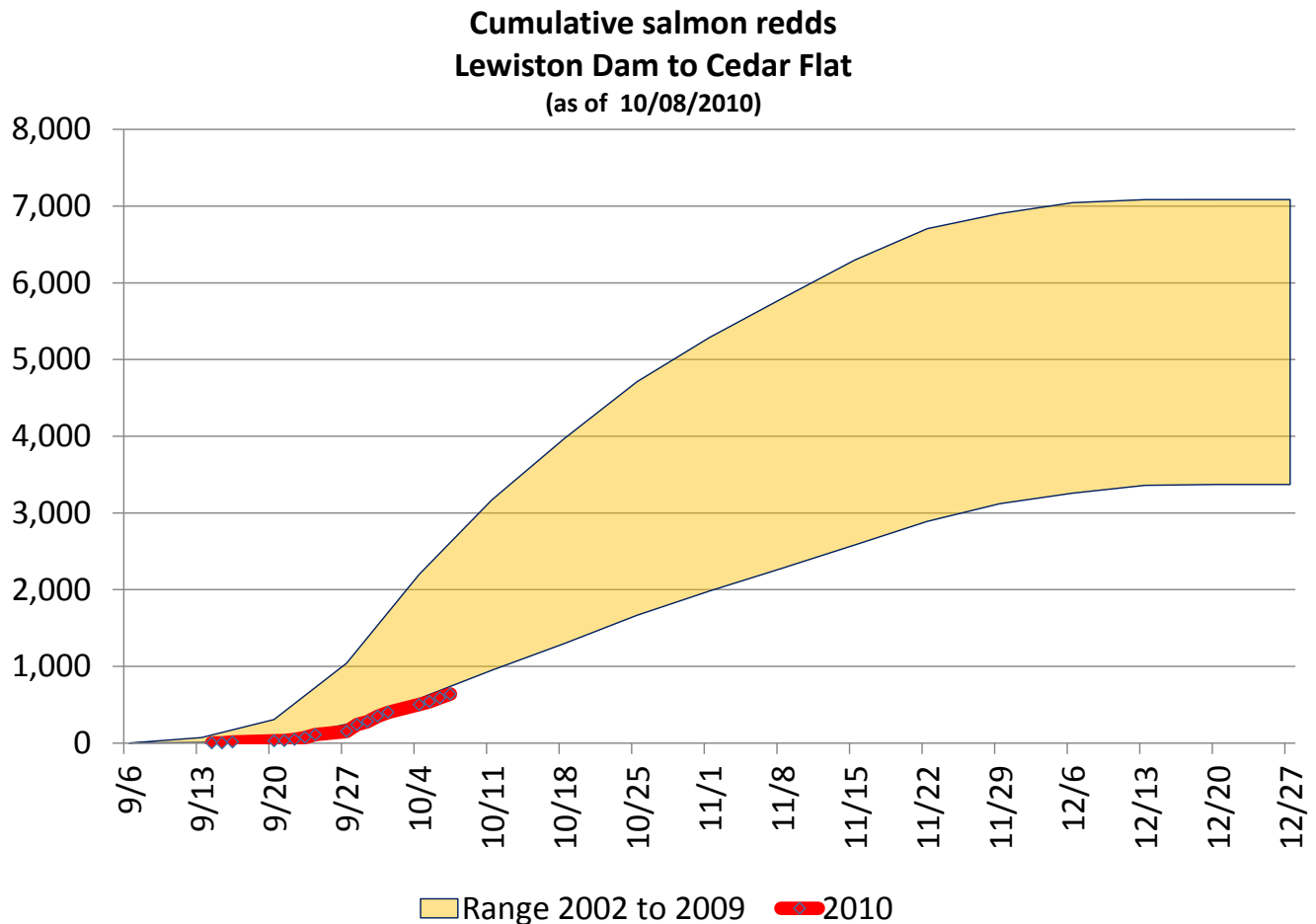


Figure 1. Comparison of fall 2010 cumulative Trinity River mainstem redd counts as of 10/08/2010 vs. range years previous (2002-2009).

A [Keyhole Markup Language](#) file has been created to view redd distribution data with Google Earth.

October 8 2010 Redds

(last modified on October 10, 2010)

If Google Earth fails to launch automatically, the file can also be used by first launching the Google Earth application. Select the menu option **File, Open**, and then locate the previously downloaded file (2010 Trinity Redds as of 2010_10_08.kml.kmz); then click the **Open** button.

For more information regarding mainstem Trinity River redd surveys, please contact Charlie Chamberlain at (707) 822-7201 or charles_chamberlain@fws.gov